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1645

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICATION NO: 10/549,975 )  
FILED: April 2, 2004 )  
APPLICANT(S): Donald B. Warfield, et al. )  
TITLE: *Performance Monitor for a* )  
*Photovoltaic Supply* )  
GROUP ART UNIT: 1645 )  
CONFIRMATION NO. 3466 )  
EXAMINER: Not yet assigned )  
ATTORNEY DOCKET: SL1225 )

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Mail Stop Amendment, P.O. Box 1450, Alexandria, VA 22313-1450.

12-5-06

Date

Carol A. Winsor

Signature

Carol A. Winsor

Typed or Printed Name of Person Signing

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Mail Stop Amendment  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir or Madam:

The Information Disclosure Statement (IDS) submitted herewith is being filed before the mailing date of a first Office action on the merits as per 37 CFR 1.97(b).

The filing of this IDS must not be construed as a representation that a search has been made (37 CFR 1.97(g)), as an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

Moreover, the filing of this IDS must not be construed as an admission against interest in any matter. (See notice of January 9, 1992, 1135 O.G. 13-25, at 25).

Completed Forms PTO/SB/08A (one page), PTO/SB/08B (one page) and a copy of the PCT Search Report are attached.

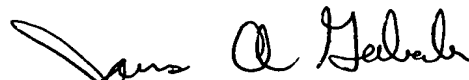
Legible copies of the EP Patent document listed in the attached PTO/SB/08A and all seven (7) items listed in the attached PTO/SB/08B are also attached. This submittal was delayed until the European Patent

**ADDITIONAL FEES REQUIRED  
CHARGE TO DEPOSIT ACCOUNT  
NO. 01-0528**

Office acted on a patent application for the same invention. The European Examiner believed the invention was not patentable in view of item #1 (i.e., Heilscher) on the attached listing.

The person making this statement is the undersigned attorney on the basis of information supplied by the inventor(s), and on the basis of information on the attorney's files.

Respectfully submitted,



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Date: 12/4/06

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Attachments: PTO/SB/08A  
PTO/SB/08B  
EP Patent Document listed on PTO/SB/08A  
7 Publications listed on PTO/SB/08B  
PCT Search Report (6 pages)

Under the Paperwork Reduction Project of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

**Complete if Known**

Application Number	10/549,975
Filing Date	April 2, 2004
First Named Inventor	Donald B. Warfield
Art Unit	1645
Examiner Name	Unknown
Attorney Docket Number	SL1225

Sheet	1	of	1
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## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>3</sup> (if known)				
		EP1223431A	07-17-2002	Otronic GMBH&Co KG	Paragraphs 001-002	
		"	"	"	Paragraphs 0015-0027	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/08B

Substitute for Form 1449B/PTO		<b>Complete If Known</b>			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)		Application Number	10/549,975		
		Filing Date	April 2, 2004		
		First Named Inventor	Donald B. Warfield		
		Group Art Unit	1645		
		Examiner Name	Unknown		
Sheet	1	of		Attorney Docket Number	SL1225

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	1	Heilscher G et al Commission Of The European Communities: "Intense Measurement And Evaluation Programme Within The 1000 – Roofs – Photovoltaic Programme sponsored by the German Federal Ministry of Research and Technologie (BMFT)" 11 <sup>th</sup> . E.C. Photovoltaic Solar Energy Conference, Montreux, Oct. 12-16, 1992, Proceedings of the International Photovoltaic Solar Energy Conference, Chur, Harwood Academic, Ch. Vol. CONF. 11, 12 October 1992 pages 1489-1490, XP001137868, ISBN: 3-7186-5380-X the whole document.	
	2	Bergmann W et al Commission Of The European Communities: "Austrian 200 kWp Photovoltaic Rooftop Programme Accompanying Scientific Monitoring Programme" 13 <sup>th</sup> . E.C. Photovoltaic Solar Energy Conference. Nice, France, October 23, vol. VOL. 1 of 2. Conf. 13, 23 October 1995, pages 672-674, XP001137362, ISBN: 0-9521452-7-8 the whole document.	
	3	HE W et al Commission Of The European Communities: "Southampton Photovoltaic Test And Reference Facility" 14 <sup>th</sup> . E.C. Photovoltaic Solar Energy Conference. Barcelona, Spain, June 30-July 4, 1997, Proceedings Of The International Photovoltaic Solar Energy Conference, Bedford: H.C. Stephens & Associates, GB. Vol. VOL. 2 of 2. CONF. 14, 30 June 1997, pages 1620-1623, XP001136383, ISBN: 1-901675-03-5, the whole document.	
	4	Stefanakis E K et al: "Monitoring Of A Hybrid Photovoltaic System For Telecommunications" 2 <sup>nd</sup> World Conference On Photovoltaic Solar Energy Conversion. 15 <sup>th</sup> European PV Solar Energy Conferenc. 27 <sup>th</sup> US IEEE Photovoltaics Specialists Conference. 10 <sup>th</sup> Asia/Pacific PV Science And Engineering Conference. Vienna, Austria, July 6-10, 1998, vol. Vol. 3, 1998, pages 3078-3081, XP001138646, ISBN: 92-828-5420-5, the whole document.	
	5	Quaida B et al Institute Of Electrical And Electronics Engineers: "Sunpac: The Remote Monitoring Of Photovoltaic Installations Sunpac: Le Telesuivi Des Installations Photovoltaiques" International Telecommunications Energy Conference. (Intelec). Paris, Sept. 27-30, 1993, New Yor, IEEE, US, vol. Vol. 1 Conf. 15 27 September 1993, pages 303-306, XP000496159, the whole document.	
	6	Patent Abstracts of Japan, vol. 1998, no. 12, 31 October 1998, & JP 10 201106 A (Yokogawa M & amp; C KK), 31 July 1998 abstract; figure 1 paragraph 0022 – paragraph 0023.	
	7	Kuipers U et al "Auswertung Von Messwerten Einer Netzkegoppelten Photovoltaikanalage" Elektrotechnische Zeitschrift – Etz, Vde Verlag GMBH. Berlin, DE, vol. 114, no. 23/24, 1 December 1993, pages 1444-1446, 1448, XP000423829, ISSN: 0948-7387, the whole document.	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.